

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

**(19) World Intellectual Property
Organization
International Bureau**



(43) International Publication Date
18 March 2004 (18.03.2004)

PCT

(10) International Publication Number
WO 2004/023656 A1

(51) International Patent Classification⁷: H03L 7/093, 7/18

(21) International Application Number:
PCT/IB2003/003771

(22) International Filing Date: 22 August 2003 (22.08.2003)

(25) Filing Language: English

(26) **Publication Language:** English

(30) Priority Data:
0220616.7 5 September 2002 (05.09.2002) GB

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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

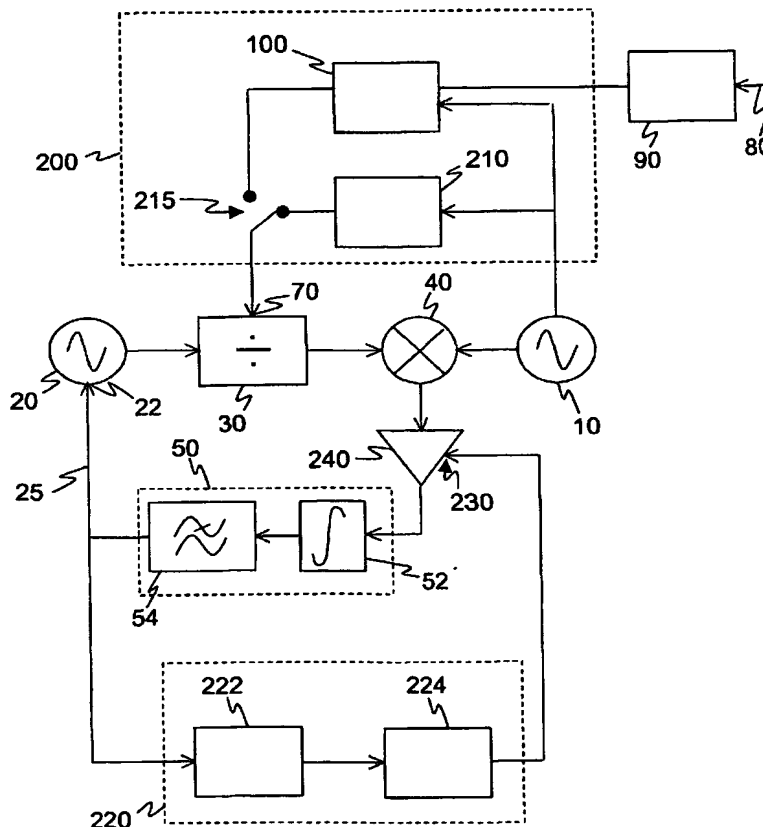
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(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),

[Continued on next page]

(54) Title: IMPROVEMENTS RELATING TO PHASE-LOCK LOOPS



(57) Abstract: A phase lock loop comprises a variable frequency oscillator (20), a divider (30), a phase comparator (40), a gain control stage (240), and a loop filter (50). The frequency response of the loop is measured by superimposing a modulation at a number of different rates on the error signal generated by the phase comparator, and by measuring for each modulation rate the peak-to-peak variation of the loop control signal controlling the oscillator frequency. If, due to errors in component values, the frequency response deviates from its desired value, the loop gain is adjusted to bring the frequency response close to its desired value.

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Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

— before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

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ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*